

1. A method of producing a stabilized extensible necked material comprising the steps of:
 - a) providing a neckable material;
 - b) applying a tensioning force to the neckable material to neck the material; and
 - c) subjecting the necked material to mechanical stabilization to provide a stabilized extensible necked material.
2. The method of Claim 1 wherein step c) comprises subjecting the necked material to incremental stretching.
3. The method of Claim 2 wherein said incremental stretching comprises feeding the necked material through a nip formed by a pair of incremental stretching rollers.
4. The method of Claim 3 wherein each said incremental stretching roller comprises a plurality of teeth and a plurality of grooves.
5. The method of Claim 1 wherein said mechanical stabilization comprises feeding the necked material through a nip formed by a pair of patterned compression rollers.
6. The method of Claim 5 wherein said patterned compression rollers provide a continuous compression stabilizing embossment across the entire width of the material.
7. The method of Claim 1 wherein said neckable material is a web selected from the group consisting of a bonded carded web of fibers, a web of spunbonded fibers, a web of meltblown fibers, and a multilayer material including at least one of said webs.
8. The method of Claim 7 wherein said fibers comprise a polymer selected from the group consisting of polyolefins, polyesters, and polyamides.

9. The method of Claim 8 wherein said polyolefin is selected from the group consisting of one or more of polyethylene, polypropylene, polybutene, ethylene copolymers, propylene copolymers, and butane copolymers.
10. The method of Claim 1 wherein said neckable material is a composite material comprising a mixture of fibers and one or more other materials selected from the group consisting of wood pulp, staple fibers, particulates, and super-absorbent materials.
11. The method of Claim 1 further comprising the additional step of:
 - d) joining the stabilized extensible necked material to an elastic member.
12. The method of Claim 11 wherein the elastic member comprises an elastomeric polymer selected from the group consisting of elastic polyesters, elastic polyurethanes, elastic polyamides, and elastic A-B-A' block copolymers wherein A and A' are the same or different thermoplastic polymer, and wherein B is an elastomeric polymer block.
13. The method of Claim 11 wherein said elastic member comprises an elastomeric film.
14. The method of Claim 11 wherein said elastic member comprises an elastomeric scrim.
15. A method of producing a stabilized extensible necked nonwoven web comprising the steps of:
 - a) providing a neckable nonwoven web;
 - b) applying a tensioning force to the neckable nonwoven web to neck the nonwoven web; and
 - c) subjecting the necked nonwoven web to mechanical stabilization to provide a stabilized extensible necked nonwoven web.

16. The method of Claim 15 wherein step c) comprises subjecting the necked nonwoven web to incremental stretching.
17. The method of Claim 16 wherein said stabilized extensible necked nonwoven web comprises a plurality of linear embossments extending continuously across the entire width of the stabilized extensible necked nonwoven web.
18. The method of Claim 15 wherein said neckable nonwoven web is a web selected from the group consisting of a bonded carded web of fibers, a web of spunbonded fibers, a web of meltblown fibers, and a multilayer material including at least one of said webs.
19. The method of Claim 15 further comprising the step of:
 - d) joining the stabilized extensible necked nonwoven web to an elastic member.
20. The method of Claim 19 wherein said elastic member comprises an elastomeric scrim.